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KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

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7-11

AGRICULTURAL NEWS: Above normal temperatures and below normal rainfall prevailed across the Commonwealth this past week. Temperatures averaged 68 degrees, 5 degrees above normal and 12 degrees above last week's average. Overall rainfall for the time period averaged 0.82 inches, 0.29 inches below normal. Regionally, the East had the highest average at 1.00 inch while Western Kentucky had the lowest average at 0.63 inches. **Topsoil moisture** was rated 1 percent short, 50 percent adequate and 49 percent surplus. **Subsoil moisture** was rated 1 percent short, 46 percent adequate, and 53 percent surplus. Days suitable for fieldwork averaged 3.7 out of a possible 7, suitable for fieldwork. Farmers were once again contending with the wet conditions. The main farming activities for the week were planting corn and soybeans, setting tobacco, cutting hay and spraying fungicide; however many fields are still saturated.

TOBACCO: As of Sunday May 15, 9 percent of the state's burley had been set, 9 percent below last year, and 5 percent below the five year average. Dark tobacco is 10 percent set, 3 percent below the five year average. Wet fields from continued precipitation hindered setting progress for the week. Producers indicate that there will be adequate plants for tobacco setting in the State.

ROW CROPS: **Corn** planting made significant progress this week, but some locations were once again inhibited by the wet weather. Reported progress was 45 percent, down 48 percent from last year, and down 33 percent from the five year average. Corn emergence was reported at 19 percent, down 63 percent from last year and down 45 percent for the five year average. In some fields water damage will force replanting or possible switch from corn to soybeans. **Soybean** planting progress was reported at 3 percent, 23 percent below last year, and 14 percent below the five year average.

SMALL GRAINS: The condition of winter **wheat** was reported as 2 percent very poor, 4 percent poor, 24 percent fair, 52 percent good, and 18 percent excellent. Some of the wheat crop has been damaged by flooding.

OTHER CROPS AND PASTURE: The **hay** crop condition has been reported as 2 percent very poor, 8 percent poor, 31 percent fair, 45 percent good, and 14 percent excellent. **Pasture** condition was 1 percent very poor, 5 percent poor, 24 percent fair, 49 percent good, and 21 percent excellent. Strawberry growers reported 44 percent of their berries as small, 43 percent medium and 13 percent large.

CROP PROGRESS for week ending 05/15/11

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Planted	45	19	93	78
Corn Emerged	19	11	82	64
Soybeans Planted	3	0	26	17
Burley Tobacco Set	9	NA	18	14
Dark Tobacco Set	10	NA	27	13

SOIL MOISTURE for week ending 05/15/11

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	0	1	50	49
Subsoil	0	1	46	53

CROP CONDITIONS for week ending 05/15/11

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Wheat	2	4	24	52	18
Pasture	1	5	24	49	21
Hay Crops	2	8	31	45	14

KENTUCKY WEATHER SUMMARY, MAY 9 - 15, 2011:

Above Normal Temperature and Below Normal Rainfall:

This past week the Commonwealth received a much needed drier than normal week; especially western parts of the state, which received the least amount of rainfall. The below normal rainfall in the state allowed river heights to drop and fields to begin drying out. Most all of the rainfall came in the second half of the week from a slow moving low pressure system. This brought in scattered showers that were concentrated mostly in the east. On the back side of this system temperatures cooled considerably from the summer like conditions felt in the beginning of the week.

Temperatures for the period averaged 68 degrees across the state which was 5 degrees warmer than normal and 12 degrees warmer than the previous period. High temperatures averaged from 77 in the West to 78 in the East. Departure from normal high temperatures ranged from 0 degrees from normal in the West to 3 degrees warmer than normal in the East. Low temperatures averaged from 62 degrees in the West to 59 degrees in the East. Departure from normal low temperature ranged from 8 degrees warmer than normal in the West to 11 degrees warmer than normal in the East. The extreme high temperature for the period was 91 degrees at Owensboro and the extreme low was 45 degrees at Big Sandy.

Rainfall for the period totaled 0.82 inches statewide which was 0.29 inches below normal and 74% of normal. Rainfall totals by climate division, West 0.63 inches, Central 0.89 inches, Bluegrass 0.77 inches and East 1.00 inches, which was 0.54, 0.28, 0.27 and 0.06 inches below normal. By station, rainfall totals ranged from a low of 0.22 inches at Princeton to a high of 2.83 inches at Burkesville.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL

FOR WEEK ENDING SUNDAY, MAY 15, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)						(Degrees Fahrenheit)				
Bardstown	0.65	20.67	13.55	+14.63	+9.71	87	50	70.4	+5	140	568	+43
Berea	0.87	12.83	7.37	+6.24	+3.20	87	51	67.8	+4	123	544	+4
Bowling Green	0.60	14.56	9.67	+7.85	+5.41	89	52	69.9	+5	134	639	+99
Bristol	2.80	8.29	5.21	+3.10	+1.89	88	48	67.3	+3	120	604	+124
Buckhorn Lake	1.23	11.65	5.93	+5.91	+2.32	84	49	66.4	+2	112	530	+50
Cape Girardeau	0.51	26.45	23.57	+19.51	+19.14	86	53	69.5	+2	134	567	+12
Campbellsville	0.68	16.89	8.94	+9.64	+4.37	86	51	67.1	+2	119	543	+3
Covington	0.40	17.17	11.68	+11.35	+7.98	88	52	68.7	+4	128	470	+20
Cumberland Gap	0.29	10.18	4.70	+3.77	+0.60	87	51	68.6	+4	128	603	+123
Dix Dam	1.10	16.57	9.39	+10.06	+5.27	86	52	68.2	+4	125	532	+7
Evansville	0.30	17.13	13.66	+10.81	+9.62	87	51	69.1	+2	133	564	+54
Glasgow	0.66	13.96	8.79	+6.96	+4.37	86	50	68.6	+3	128	587	+107
Grayson	1.28	15.38	7.77	+9.69	+4.14	85	46	66.9	+3	120	522	+87
Hardinsburg	0.71	21.34	15.49	+14.67	+11.27	86	50	68.1	+3	126	553	+13
Henderson	0.33	18.29	14.25	+11.83	+10.20	89	51	69.7	+2	135	578	+38
Huntington	4.38	15.84	9.83	+10.18	+6.21	87	47	66.7	+2	117	579	+99
Jackson	0.66	13.35	6.30	+7.08	+2.36	86	52	68.5	+4	128	589	+109
Lexington	0.83	16.32	9.32	+10.28	+5.48	86	51	68.8	+5	129	510	+60
London	0.75	12.76	7.53	+6.78	+3.77	86	51	68.1	+4	125	579	+99
Louisville	0.41	17.89	12.29	+11.42	+8.22	90	54	71.7	+6	148	632	+122
Mayfield	0.28	18.99	14.88	+11.52	+10.27	89	53	70.4	+3	136	626	+41
Nashville	0.43	10.55	6.25	+3.82	+2.00	89	52	69.7	+4	131	615	+30
Nolin Lake	1.31	21.42	15.99	+14.24	+11.38	86	50	68.1	+3	124	551	+26
Paducah	1.41	23.59	19.77	+16.19	+15.21	87	52	69.6	+2	135	615	+60
Princeton	0.22	21.46	16.59	+14.26	+12.11	87	50	68.9	+1	129	591	+21
Quicksand	0.71	14.52	6.66	+8.25	+2.72	87	49	68.1	+4	123	585	+105
Somerset	1.36	13.20	7.38	+6.40	+3.04	85	51	66.6	+2	114	548	+23
Spindletop	0.99	16.12	9.41	+10.08	+5.57	87	52	68.4	+4	126	498	+48
Williamstown	0.41	17.00	10.55	+10.72	+6.62	85	52	68.1	+4	124	484	+34

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>